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## FOREWORD

This publication was compiled by the Naval War College Library staff. It contains a bibliographic listing and index of various Naval War College research projects and publications completed, and either issued or published during the 1985-1986 academic year. They are listed in four parts.

*Part I:* This section contains listings with abstracts of individual and group research projects sponsored by the Naval War College's Center for Advanced Research, a section of the Naval Warfare Studies. It also lists several prize-winning essays.

The Center for Advanced Research offers these basic programs:

Advanced Research Graduate Fellows are Naval War College graduates. Their capacity and desire to perform quality research justifies their selection to remain in residence at the college for one or two years to engage in individual or group projects.

Advanced Research Associates are resident students or faculty members whose research is supported by the Center. Each academic year, certain carefully selected student applicants are granted permission to undertake individual or group research projects in lieu of some portion of the regular curriculum.

Advanced Research Scholars are those researchers, not part of the Naval War College, whose work is partially or wholly funded by the Center for Advanced Research or Center for Naval Warfare Studies.

Those papers in Part I having AD numbers may be obtained by DOD and other authorized users from the Defense Technical Information Center, ATTN: DTIC-TSR, Cameron Station, Alexandria, Virginia 22314. Availability of classified papers from the Defense Technical Information Center is subject to current security regulations. Papers not available from the Defense Technical Information Center (those not followed by an AD number) may be obtained on a loan basis by written request to the President, Naval War College (Code E), Newport, Rhode Island 02841-5010. Requests for classified papers not available from the Defense Technical Information Center must be submitted through appropriate Contract Liaison Officer with certification of need-to-know and of facility clearance for proper stowage of classified information.

*Part II:* The student research papers are prepared for the Department of Operations. The papers analyze a tactical, operational, or strategic issue related to military tasks or functions. They either deal with the concept for the improved execution of some military task or function; the employment of a force, unit, weapons systems, sensor system, or command and control system; or new applications to modern warfare of the principles of war or principles derived from historical research. The availability of these papers is the same as described for papers in Part I.

Part III: The faculty publications listed here include works published during academic year 1985-1986, and include only those publications submitted to the library by the faculty member. On-going or pending publications are not listed. These materials are not available for distribution from the Naval War College, but should be obtained from a local library or bookstore.

Part IV: The monographs published by the Naval War College Press are available for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

Naval War College personnel should see a reference librarian to obtain any of the research papers or publications listed.

Author, title, and subject indexes identify each bibliographic listing with an entry number.

The thoughts and opinions expressed in these research papers and publications are solely those of the authors. They are not necessarily those of the Navy Department or the Naval War College.

**PART I**  
**ADVANCED RESEARCH PAPERS**  
**AND**  
**PRIZE ESSAYS**

1. BEATTY, Timothy, MAJ, USA and CREEL, Buckner M., IV, MAJ, USA. "Global War Game '85: Ground Analysis (Central Front)" (U). Unpublished Advanced Research Paper. U.S. Naval War College, Center for Advanced Research. Newport, RI: 1986. 112pp. (AD C953 655L) N 420 F92 1986 no. 7. SECRET/NOFORN

A description and analysis is given of the ground campaign focusing on the NATO Central Region in the 1985 Global War Game conducted at the Naval War College. A synopsis of the pre-game scenario including the mobilization period is presented. The ground campaign is then described by detailing a few significant days of the war. A new computer-generated analysis tool is used to show the approximate location of ground units with their relative combat firepower displayed graphically. In conclusion, the conduct of both Red and Blue play is examined, providing certain insights into improving game play. Areas requiring further study for real-world application are also identified.

2. BURCH, John C., CDR, USN. "Background Issues Concerning Soviet Foreign Policy and Syrian Initiatives in the Middle East." Unpublished Advanced Research Paper. U.S. Naval War College, Center for Advanced Research, Newport, RI: 1986. 87pp. (AD A168 398) N 420 F92 1986 no. 3

The complexities of the contemporary Middle East have frustrated policymakers since the conclusion of World War II. Both superpowers seek regional influence, often at the expense of the other. This research identifies the Soviet's three fundamental foreign policy goals as (1) national security of the homeland on its southern flank, (2) exclusion of Western influence in the area, and (3) simultaneous growth of Soviet influence and presence. Syria has emerged as the principal Soviet client state within the region. Its foreign policy and relationship to the Soviets are at the focal point of most regional issues. The author examines the Russian-Syrian entente and provides a proposal to resolve the regional dilemmas.

3. CLAWSON, Stephen H., LCDR, USN. "Narrowing Uncertainty about the Maritime Strategy." A Past President's Prize Essay. U.S. Naval War College, Newport, RI: 1985. 19pp. (AD A165 433) N 420 F94 1985 no. 2

This essay examines nine uncertainties about the current U.S. maritime strategy. The perspective taken is strategic rather than operational or tactical. Several of the uncertainties about the strategy are found to be troublesome,

but potential solutions can be identified. The conclusion is that the maritime strategy has many potential strengths, and can be enhanced to reduce uncertainty. The top priority recommended for consideration is the forward deployment of additional U.S. naval forces to Western Europe for the purpose of increasing peacetime operations in the area of NATO's Northern Flank.

4. CORLEY, John D., MAJ, USAF; MEAD, Thomas U., MAJ, USAF; ORAM, Thomas A., MAJ, USAF; and ROBERTSON, Stephen I., MAJ, USAF. "Global 85 Central European Air Campaign Replay and Analysis" (U). Unpublished Advanced Research Paper. U.S. Naval War College, Center for Advanced Research, Newport, RI: 1986. 273pp. (AD C953 654) N 420 F92 1986 no. 6. SECRET/NOFORN

The air campaign on the Central European Front as flown during Global War Game 85 at the Naval War College is reviewed and contrasted with a replay of the same scenario conducted by a research team in an environment unconstrained by the exigencies of game play. The significant differences in outcome can be traced to enhance game starting positions for Red and Blue, debugged computer software, refined weapons effectiveness tables, and the development of long term campaign strategies. Because of the enhanced fidelity of play that was obtainable in this research project, this paper recommends that the replay position through D+18 be adopted as the start position for Global War Game 86. In addition, computer and game play changes are recommended to increase realism of play in Global 86. There are many areas, however, that will require further study, such as the play of logistics, the availability of reserve forces, and the emphasis on employment of resources.

5. DIRIENZO, Anthony C., MAJ, USA. "Stability Considerations in the Transition to a Defense Dominant World." Unpublished Advanced Research Paper. U.S. Naval War College, Center for Advanced Research, Newport, RI: 1986. 89pp. (ADB101 845L) N 420 F92 1986 no. 4

This work is intended to assist in the analysis of courses of action in the light of the 1987 quinquennial ABM Treaty review. First, the efficacy of limited defenses (20-30%) in the modification of flexible nuclear response options is analyzed. Second, a series of initiatives, in arms control as well as unilateral, are presented that begin the transition to a strategic regime where active defenses play a significant role. Both the limited defenses and the various initiatives are designed to allow for the protection of critical assets, retaliatory capabilities, and population while not preserving the preemptive disarming capabilities of either side.

6. ELLISON, Daniel A., CDR, USN. "Alaska and the Defense of the Aleutians" (U). Unpublished Advanced Research Paper. U.S. Naval War College, Center for Advanced Research, Newport, RI: 1985. 91pp. (AD C953 584L) N 420 F92 1985 no. 27.  
SECRET/NOFORN

The strategic importance of Alaska relative to the forward antisubmarine warfare campaign necessary in a Pacific maritime strategy is examined. The Soviet threat is compared to present and future U.S. posture in the Aleutians, including the results of several war games. Findings indicate a high degree of Aleutian vulnerability and a lack of unity in command arrangements. Alternatives to the command arrangements and Aleutian defense posture are discussed relative to the national security guidelines for defending U.S. territory.

7. FESSLER, E. Anthony, CDR, USN. "Extraterritorial Apprehension as a Pro-Active Counterterrorism Measure." Unpublished Advanced Research Paper. U.S. Naval War College, Center for Advanced Research, Newport, RI: 1986. 195pp. (AD B105 130L) N 420 F92 1986 no. 21

This study evaluates a counterterrorism measure under which the United States would forcibly apprehend international terrorists in stateless areas or certain sanctuary states without the consent of the sovereign authority for the area in which they are located. "Extraterritorial apprehension" as it is developed in this study, offers a pro-active counterterrorism measure which expands the reach of U.S. domestic criminal law so that it can be more effectively used to prosecute international terrorists who direct their attacks against the United States, its nationals, institutions, and allies. A major objective of the study is to analyze the costs and benefits in the context of U.S. domestic and international interests.

8. FINLAYSON, Andrew R., LCOL, USMC. "U.S. Arms for China—A New Look." A Richard G. Colbert Memorial Prize Essay. U.S. Naval War College, Newport, RI: 1985. 23pp. (AD A165 434) N 420 F94 1985 no. 4

Previous attempts to analyze the opportunities and risks inherent with any sale or transfer of weapons to the People's Republic of China have failed to address adequately the types of weapons the Chinese could put to maximum use based on their perception of the Soviet threat and their most likely military response to that threat. This paper seeks to broaden the scope of the analysis and, while not necessarily advocating sales or transfers, identifies a United States weapons mix that is compatible with current Chinese military doctrine, that is technologically absorbable, that is affordable and, finally, that is consistent with United States policy objectives in East Asia. This weapons mix represents a synthesis of maximum military utility to the Chinese at a minimum risk to the United States or her East Asian allies.



9. GAFFNEY, William A., CDR, USN and ARNOTT, Ralph E., CDR, USN. "Impact of Crisis Management Actions on Fleet Operations and Options for Improvements." (U). Unpublished Advanced Research Paper. U.S. Naval War College, Center for Advanced Research, Newport, RI: 1984. 53pp. (AD C037 930L) N 420 F92 1984 no. 29. SECRET

An investigation is conducted into the causes and effects of disruptions of fleet operations and exercises due to the requirements to respond to crisis management contingencies. The study focuses at and below the Unified Commander-in-Chief level in the military chain of command. The primary causes identified and investigated are the short lead time associated with crisis management response situations, the inflexibility of forward deployment commitments, and the improper sizing of forces when responding to crisis management contingencies. The primary effects are heavily committed fleet assets that lack flexibility to respond to crisis management actions without affecting other commitments. In addition, tightly committed fleet assets inhibit training for the maritime strategy and adversely impact training, readiness, and morale. Recommendations include a restructuring of the forward deployment posture to provide for more flexibility, and a rational framework approach to sizing forces for responding to crisis management actions.

10. GAULT, Jeffrey W., MAJ, USA. "Army Manpower Policy Options for the Next Ten Years." Unpublished Advanced Research Paper. U.S. Naval War College, Center for Advanced Research, Newport, RI: 1986. 89pp. (AD A168 406) N 420 F92 1986 no. 2

This paper examines U.S. Army policy options for manning the force through the mid 1990's. After a brief review of the recruiting experiences of the All Volunteer Army, the paper presents and evaluates the Army's prospects and planning assumptions for meeting future manpower needs. In light of declining manpower pools and anticipated reductions in defense budgets, it is argued that manpower requirements will not be met without adoption of a long term strategy. This strategy must include a rejuvenation of Army long term personnel planning procedures and should prepare the Army for future personnel shortages by reexamining current manpower policies and evaluating and prioritizing available manpower alternatives. As a minimum, the Army must reevaluate its ability to accept increased numbers of women and should consider lowering quality standards.

11. GEVREY, Michael P., CDR, FN. "A Western Economic Strategy Towards the East." A Franklin Reinauer II Defense Economics Prize Essay. U.S. Naval War College, Newport, RI: 1985. 41pp. (AD A165 505) N 420 F94 1985 no. 3

The economy of the USSR is discussed in this essay in the context of historical and geographical influences. The Soviet Union's present economic dilemma is how to effectively balance economic growth with its defense expenditures.

Its overall economic problems are discussed including the influences of foreign trade and foreign technology. East-West trade is not only an important component of the Soviet economy, but also of foreign policy.

12. GRUNDIES, David H., LCDR, USN and LaCOSS, Terry L., LCDR, USN. "Acoustic Counterdetectability of ASW Aircraft." (U). Unpublished Advanced Research Paper. U.S. Naval War College, Center for Advanced Research, Newport, RI: 1986. 122pp. (AD C954 529L) N 420 F92 1986 no. 12. SECRET/NOFORN

A review and compilation of theoretical and experimental data are undertaken regarding the acoustic counterdetectability of ASW aircraft by submarines. Centralization of diverse and obscure documentation is accomplished for both fleet and research use. All considerations and conclusions are based upon existing data. The study concludes that ASW aircraft are presently counterdetectable at "operationally significant" range. Gains in technology afford the submarine the opportunity to detect and react to prosecuting aircraft before localization can be accomplished. Additional dedicated studies are recommended to fully understand this phenomenon in conjunction with the development of new tactics and equipment to avoid/exploit it.

13. JORI, Carol D., LCDR, USN. "Industrial Mobilization: Issues for the 1990's." Unpublished Advanced Research Paper. U.S. Naval War College, Center for Advanced Research, Newport, RI: 1986. 107pp. (AD B104 085L) N 420 F92 1986 no. 19

Industrial mobilization in the 1990's will pose significant challenges. Our ability as a nation to identify and meet those challenges will act as a strategic deterrent and enhance our warfighting capabilities should deterrence fail. Operational plans often overlook shortcomings of the defense industrial base. By introducing strategic and operational planners to the limitations of the defense industrial base in exercises such as Global War Game 1986 greater understanding will be generated which will provide the impetus to further improve the defense industrial base. Mobilization issues which are common to elements of heavy industry (the shipbuilding and machine tool industries), and resources which are considered critical to our national defense are examined in greater detail.

14. KAISER, Michael F., MAJ, USAF. "Air Force Logistics Factors in the Global War Game Air Model" (U). Unpublished Advanced Research Paper. U.S. Naval War College, Center for Advanced Research, Newport, RI: 1986. 162pp. (AD C954 797L) N 420 F92 1986 no. 16. SECRET/NOFORN

USAF logistics factors in the Naval War College's Global War Game (GWG) air model are examined. Logistics data base and model software problems encountered during GWG-85 prompted the research. The prime focus is on developing D-Day munitions data bases for the Northern, Central,

and Southern Regions of NATO, decrementing the inventories during a replay of GWG-85, and establishing inventories for GWG-86 which resumes where GWG-85 stopped. The report is a logistics companion to GWG-85 European Air Campaign Replay and Analysis. It also discusses other logistics areas and manual work-around procedures, concluding with recommendations for further research.

15. KUENNING, Howard F., MAJ, USA. "Problems in Developing Morally Sound Strategy in Low-Intensity Conflict." Unpublished Advanced Research Paper. U.S. Naval War College, Center for Advanced Research, Newport, RI: 1986. 135pp. (AD A168 405) N 420 F92 1986 no. 13

Whether American forces are successful in low-intensity conflict may depend on developing doctrine, force structure, and training that are keyed to insuring strict adherence to Western moral values. The forces' conventional warfare orientation, American public attitudes about war and foreign policy, confusion in international law, the moral posture of the low-intensity enemy, and the clash of different value systems make the development of effective American policy and strategy for modern conflict a serious problem. Since such conflict is the most likely form of future American war, the American military must reorient itself for low-key, politically sensitive, and restrained operations in future "small wars."

16. McGRUTHER, Kenneth R., CDR, USN. "In Search of Strategic Leverage through NATO's Southern Region" (U). Unpublished Advanced Research Paper. U.S. Naval War College, Center for Advanced Research, Newport, RI: 1986. 51pp. (AD C041 458L) N 420 F92 1986 no. 27. SECRET

North Atlantic Treaty Organization success in wartime will depend on blunting the Pact offensive in the center and seizing the initiative globally. The latter requires exploiting advantages wherever they may be. Establishing sea control provides such opportunities. Securing the Mediterranean holds NATO's southern region intact, makes defense of Thrace and the Bosphorus possible, and presents opportunities to contest Soviet control of the Black Sea and deny them use of the Balkans as a thoroughfare. Such a campaign by NATO could present the Soviets with immediate and substantial threats to core values. Opportunities and implications are explored. Recommendations for further efforts are made.

17. MELSHEN, Paul, MAJ, USMCR. "Pseudo Operations." Unpublished Advanced Research Paper. U.S. Naval War College, Center for Advanced Research, Newport, RI: 1986. 80pp. (AD A168 397) N 420 F92 1986 no. 1

Pseudo operations are a form of tactics which should be used along with conventional tactics as part of a total counterinsurgency strategy. Conceptually, pseudo operations are operations which deploy a counter-

insurgent force which completely mirrors insurgent forces. Its purpose is to infiltrate the civilian communities or operational areas disguised as insurgents in order to develop background information on insurgents and to obtain tactical operational information upon which to act and bring force to bear on the insurgents. The missions of pseudo operations are to: (1) gain information; (2) penetrate, isolate and eliminate insurgent forces; (3) disperse tactical operational information to friendly tactical units; and (4) destroy insurgent political infra-structures.

18. NICHOLSON, Edwin P., CAPT, USN. "The Gulf, Political/Military Strategy for the 1990's" (U). Unpublished Advanced Research Paper. U.S. Naval War College, Center for Advanced Research, Newport, RI: 1986. 177pp. (AD C954 750) N 420 F92 1986 no. 28. SECRET/NOFORN

In an analysis of the current political/military situation in the Persian Gulf, U.S. political and military policy are reviewed and proposals for a strategy for the 1990's are advanced. Because of the West's long-term dependence on Gulf oil, the region has been declared vital to the United States and, as such, policy towards the Gulf Cooperation Council (GCC) needs to be adjusted. Military strategy must also account for the political restrictions placed on the presence of U.S. forces in the region. The GCC military capabilities must be improved and greater emphasis placed on regional forces deterring and, if necessary, combating regional aggression. Militarily, the United States should pursue a policy that advances interests which are not conditional on the acquiescence of the GCC. Critical to improving the U.S. position with Arab moderates is a consistent and evenhanded approach with regard to arms sales to the GCC. Unless our arms sales policy is corrected, U.S. national interests will be jeopardized.

19. O'CONNELL, Thomas W., LTC, USA, and KELLY, Ralph B., LTC, USARNG. "State Vulnerability Assessment—(Security Planning Considerations for the Rhode Island National Guard in Responding to a Domestic Terrorist Threat)." Unpublished Advanced Research Paper. U.S. Naval War College, Center for Advanced Research, Newport, RI: 1986. 1v. (AD B104 339L) N 420 F92 1986 no. 47

Research on this topic was initiated at request of Rhode Island National Guard. The research identifies critical sites and services in Rhode Island which would be of interest during domestic terrorist activity. Technical data on sites (maps, photographs, diagrams) has been compiled in annexes. Special considerations for security force planners are included. The project suggests a methodology for the state to conduct detailed vulnerability assessment in future years. Points of contact for state agencies and public utilities are listed. A sample municipal packet (for Newport, RI) is included in the research.

operations. They are studied as a unique class of operations in order to develop an understanding of the requirements which these operations impose if they are to be conducted successfully. A framework is constructed through historical and theoretical analysis of 41 case studies. Also assessed are the 1980-1985 improvements in capability, comparing five recent proposals for managing special forces in terms of both these improvements and the contingency framework and concluding that continuing problems can be traced to fundamental issues which have not previously been understood.

25. SAWYER, Herbert L. "Soviet Perceptions of Saudi Arabia and Iran, January-June 1983." Unpublished Research Paper. U.S. Naval War College, Center for Naval Warfare Studies, Newport, RI: 1985. 46pp. (AD A165 632) N 420 F92 1985 no. 26

This paper identifies options available to the Soviet Union regarding its policies towards to key states of Saudi Arabia and Iran during the period January to June 1983. Those options, and an assessment of which one Moscow is likely to choose, and in what circumstances it will choose one option over another are discussed.

26. SCHWABE, F. Edward, Jr., MAJ, USA. "The March to the Sea: the Operational Role of Sherman's Right Wing." Unpublished Advanced Research Paper. U.S. Naval War College, Center for Advanced Research, Newport, RI: 1986. 56pp. (AD A168 399) N 420 F92 1986 no. 14

The operations of Sherman's 15th and 17th Corps during the march through Georgia in the Fall of 1864, with emphasis on their respective roles in support of Sherman's strategy is examined in this paper. The study focuses on the role of the march within the context of overall Union strategy, the special preparations for the movement to the coast, and the actions of the 15th and 17th Corps during the latter two-thirds of the march (23 November-10 December 1864). The operations of the 15th Corps are particularly emphasized to highlight its role in forcing the rapid collapse of Confederate opposition in front of Sherman's advance.

27. STALEY, Robert S., II, LCOL, USAF. "Land-Based Air in a National Maritime Strategy: the Need for a Joint Strategic Doctrine." Unpublished Advanced Research Paper. U.S. Naval War College, Center for Advanced Research, Newport, RI: 1986. 66pp. (AD A171 995) N 420 F92 1986 no. 20

The role of land-based air power is examined within a national maritime strategy. Corbett taught that naval strategy is a subsidiary aspect of a national maritime strategy; and the increasing speed, range, and accuracy of aircraft, weapons, detection, and communications ensure that an important part of maritime air control will be land-based. To evaluate that claim, this paper examines the unity of sea control and air control; examines the Air Force missions which affect sea control; discusses the strategic concerns directing land-based air in maritime strategy; and explains why joint strategic doctrine will better integrate our military forces.

28. SUSSILLEAUX, John F., CAPT, USN. "Japan: Cornerstone or Stumbling Block?" (U). Unpublished Advanced Research Paper. U.S. Naval War College, Center for Advanced Research, Newport, RI: 1986. 91pp. (AD C954 531L) N 420 F92 1986 no. 15. SECRET/NOFORN

In numerous public pronouncements the U.S. has identified Japan as the "cornerstone" of American policy in East Asia. At the same time there is apprehension expressed in some quarters over Japan's steadfastness in time of a U.S.-Soviet crisis or conflict. This paper examines the security facet of the U.S.-Japan relationship: its origins and evolution over the past four decades, where it is today and where it is going. The purpose is to identify ways to reduce the uncertainties which might affect future Japanese decisions. It concludes that the historical record of Japan's consistency of policies and commitment to its bilateral security arrangements with the U.S. are encouraging and recommends some ways to further refine our own strategic thinking towards Japan and the challenge presented by the Soviets in the region of Northeast Asia.

29. TORSACK, John F., MAJ, USMC. "Aircraft Battle Damage Repair: a Logistics Approach to Readiness." (U). Unpublished Advanced Research Paper. U.S. Naval War College, Center for Advanced Research, Newport, RI: 1986. 80pp. (AD C953 658L) N 420 F92 1986 no. 8. SECRET/NOFORN

This paper focuses on increasing the sustainability and combat power of our naval aircraft from the first day of conflict by using a program of Aircraft Battle Damage Repair. Primary emphasis is directed towards sustainability in a maritime conflict prior to complete industrial mobilization. Alternatives to our present sparing and procurement policies that will produce a logistics capability to support tactical aircraft in combat are discussed, and policy changes are recommended. Historical attrition and battle damage rates, as well as those used now for planning have been reviewed. These rates, plus projected damage assessments drawn both from historical sources and available models, are used to propose alternative methods to select material to repair battle damaged aircraft. Emphasis centers on those aspects of the Naval Aviation Integrated Logistics Support structure that can be used now to achieve a battle damage capability at a reasonable cost. Estimated economic costs and increased aircraft sustainability are projected against industrial mobilization lead time. The concepts discussed can provide a partial offset to lead times required for full mobilization, and should be added to the next Global War Game.

30. TORSACK, John F., MAJ, USMC. "Fourth Marine Aircraft Wing Mobilization and Logistics Support." Unpublished Advanced Research Paper. U.S. Naval War College, Center for Advanced Research, Newport, RI: 1986. v.p. (AD B104 338L) N 420 F92 1986 no. 18

The Fourth Marine Aircraft Wing (MAW) is a component of the Marine Corps Reserve and in time of war would be tasked to augment or reinforce active forces in the formation of the Marine Air-Ground Task Forces. The Total Force concept firmly commits the Marine reserve to full integration in wartime operational plans. However, the logistics support for Marine reserve aviation elements is markedly different from active force structure. Much of the supply and other logistics support for reserve forces is held in peacetime by Naval Supply Depots and Centers in the Naval Supply System as wholesale prepositioned war reserve material. To enable reserve aviation squadrons to rapidly reinforce a MAGTF several factors in the Naval aviation logistics system must be changed to accommodate the rapid deployment of Marine Corps. The change necessary to accomplish this has been pioneered by Headquarters Marine Corps in developing the Contingency Support Package (CSP) Concept. By using the capabilities inherent in a CSP, it is possible to rapidly build any level of spares support for any mix of aircraft assigned to a MAGTF. Recommendations include forward siting of Marine Reserve CSP assets, and the use of the "push" method of material allocation at the time of mobilization rather than "pull" as is now policy.

31. VAN ALSTYNE, John A., LTC, USA. "Should the U.S. Army's Airland Battle Doctrine Be Acceptable to NATO?" Unpublished Advanced Research Paper. U.S. Naval War College, Center for Advanced Research, Newport, RI: 1986. 30pp. (AD A170 411) N 420 F92 1986 no. 43

Airland Battle doctrine's acceptability in NATO is assessed in relation to three elements: NATO doctrine, other national doctrines and Allied Command Europe's Follow-On Forces Attack (FOFA). Review of the Army's FM 100-5 and NATO's ATP 35(A) indicates consistency between Airland Battle doctrine and NATO doctrine. A review of national doctrines indicates most recognize that successful defense requires some depth and emphasize an offensively-oriented reserve force. A review of both Airland Battle doctrine's and FOFA's approach to airpower indicates competition for resources but not in compatibility. The conclusion is that Airland Battle doctrine should be acceptable to NATO.

32. ZEILE, Fred C., LCDR, USN. "Significant Environmental Considerations for Sustained Naval Operations in the Norwegian Sea" (U). Unpublished Advanced Research Paper. U.S. Naval War College, Center for Advanced Research, Newport, RI: 1986. 64pp. (AD C039 131) N 420 F92 1986 no. 9. CONFIDENTIAL

An examination of meteorological and oceanographic conditions in the Norwegian Sea which have significant impact on naval operations is conducted. Climatological data, augmented by observations and analyses where appropriate, are used to specify the natural environment in the Norwegian Sea. Fleet ability to conduct routine necessary evolutions, such as underway replenishment, amphibious landings, or hull-mounted sonar operations, is examined considering the existing environment. It is determined that the U.S. Navy has the capability to conduct sustained operations in the Norwegian Sea during all seasons of the year, although flexibility and operating efficiency will be significantly reduced in winter.



## PART II

### STUDENT RESEARCH PAPERS

33. ABBATE, Guy R., CDR, USN. "Homeporting a Destroyer Squadron at Roosevelt Roads, Puerto Rico." Unpublished Research Paper. U.S. Naval War College, Department of Operations, Newport, RI: 1986. v.p. (AD B103 486) N 420 F95 1986 no. 4
34. ADAMS, Michael R., LCDR, USCG. "The Role of the U.S. Navy in Domestic Law Enforcement." Unpublished Research Paper. U.S. Naval War College, Department of Naval Operations, Newport, RI: 1984. 33pp. (AD A143 366) N 420 F95 1984 no. 13
35. ALEXANDER, John D., COL, USMC. "MOOSEMUS Plus Rigorous TLC: an Imperative for Helicopter Survival in Our Amphibious Assaults." Unpublished Research Paper. U.S. Naval War College, Department of Naval Operations, Newport, RI: 1984. 41pp. (AD A143 338L) N 420 F95 1984 no. 14
36. ALLEN, Dannie H., CDR, USN and HIGHTOWER, Terrance L., CDR, USN. "Outer Air Battle C<sup>3</sup> Considerations with an AEGIS Augmented CVBG" (U). Unpublished Research Paper. U.S. Naval War College, Department of Operations, Newport, RI: 1986. 35pp. (AD C040 027L) N 420 F95 1986 no. 116. SECRET
37. ANDERSON, Frederic M., LCOL, USAF. "The Yom Kippur War: Case Study in Deterrence during Crisis." Unpublished Research Paper. U.S. Naval War College, Department of Operations, Newport, RI: 1985. 34pp. (AD B103 487) N 420 F95 1985 no. 17
38. ANDREW, Michael R., CDR, USN. "CAIMS: Friends or For? An Analysis of the Effectiveness of the Asset Reporting and Recording Capability of the Conventional Ammunition Integrated Management System as a Planning Instrument for Naval Force Employment Considerations." Unpublished Research Paper. U.S. Naval War College, Department of Naval Operations, Newport, RI: 1984. 1v. (AD A143 345L) N 420 F95 1984 no. 15
39. ARRISON, James M., III, CAPT, USN. "Lessons for the North Atlantic." Unpublished Research Paper. U.S. Naval War College, Department of Naval Operations, Newport, RI: 1984. 23pp. (AD A143 445L) N 420 F95 1984 no. 16
40. ATHANSON, John, CAPT, USN. "The Employment of U.S. Navy Civic Action Programs in Central America and the Caribbean Basin." Unpublished Research Paper. U.S. Naval War College, Department of Naval Operations, Newport, RI: 1984. 28pp. (AD A143 337L) N 420 F95 1984 no. 1

41. AUSTIN, Simeon H., CDR, USN. "Implications of Battlespace Extension Tactics for the Outer Air Battle" (U). Unpublished Research Paper. U.S. Naval War College, Department of Operations, Newport, RI: 1985. 27pp. (AD C040 135) N 420 F95 1985 no. 33. SECRET
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